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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/829,399	04/22/2004	Han-gyoo Kim	34255/US/2	5407

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DORSEY & WHITNEY, LLP  
INTELLECTUAL PROPERTY DEPARTMENT  
370 SEVENTEENTH STREET  
SUITE 4700  
DENVER, CO 80202-5647

EXAMINER
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JACOBS, LASHONDA T

ART UNIT	PAPER NUMBER
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2157

MAIL DATE	DELIVERY MODE
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10/05/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/829,399

Applicant(s)

KIM, HAN-GYOO

Examiner

LaShonda T. Jacobs

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 22 April 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 4/22/04, 11/9/04 and 3/3/06.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

This Office Action is in response to Applicant application filed on April 22, 2004.

Claims 1-19 are pending and presented for examination.

#### *Priority*

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

#### *Information Disclosure Statement*

2. The examiner has considered the Information Disclosure Statement (IDS) filed on 4/22/04, 11/9/04 and 3/3/06 by Applicant.

#### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-4, and 10-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Coile et al (hereinafter, "Coile", U.S. Pat. No. 6,894,981).

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As per claims **1, 11, 12, 13** and **16**, Coile discloses A server system, an asymmetric 3-way TCP system, an asymmetric 3-way UDP system, a method and computer readable medium for processing a service request from a client in a network processing environment, comprising:

- a front-end server (proxy server) for receiving a service request from the client and for generating a data link frame containing a service command necessary to perform the service request (col. 7, lines 45-60); and
- at least one back-end server connected to the front-end server through a data link, without establishing a transmission control protocol/Internet protocol (TCP/IP) connection, for executing the service command in the data link frame received from the front-end server through the data link and for sending a result of the service command to the client bypassing the front-end server in a pseudo packet that would be recognized by the client as a packet originating from the front-end server (col. 8, lines 43-51 and col. 9, lines 18-36).

As per claim **2**, Coile discloses:

- wherein said pseudo packet contains an IP address and a port number corresponding to the front-end server (abstract and col. 3, lines 40-52).

As per claims **3, 14** and **17**, Coile discloses:

- wherein said pseudo packet is a pseudo TCP packet containing a TCP header (col. 4, lines 65-67 and col. 9, lines 18-36).

As per claims **4, 15** and **18**, Coile discloses:

- wherein said pseudo packet is a pseudo user datagram protocol (UDP) packet containing a UDP header (col. 4, lines 65-67 and col. 9, lines 18-36).

As per claim 10, Coile discloses wherein the back-end server further comprises:

- a state machine for controlling packet generation and transmission (col. 4, lines 65-67 and col. 9, lines 18-36);
- a command decoder for decoding a command received from the front-end server (col. 7, lines 45-54);
- a pseudo packetizer for assembling said pseudo packet (col. 4, lines 65-67 and col. 9, lines 18-36)s;
- a network interface card (NIC) controller for controlling an NIC (col. 7, lines 3-10);
- a disk controller for controlling a disk (col. 7, lines 20-26);
- a compact disk (CD) controller for controlling an output from a CD (col. 7, lines 20-26);
- and
- a memory controller for controlling memory (col. 7, lines 3-10 and lines 20-26).

As per claim 19, Coile discloses:

- wherein the medium is a CD (col. 7, lines 20-26).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 5-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Coile.

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As per claims 5-9, Coile discloses the invention substantially as claims discussed above. However, Coile does not explicitly disclose the front-end server consisting of a database (DB) server, file server, mail server, printer server or firewall server. Nonetheless, the use of these distinct servers is merely a design choice and would have been an obvious modification to the proxy server disclosed by Coile as all the aforementioned servers are commonly used in the art. It would have been obvious to one of ordinary skill in the art to modify the system as disclosed by Coile to include a front-end server consisting of a database (DB) server, file server, mail server, printer server or firewall server in order to provide storage for database objects, remote files, email, printer allocation commands and authentication requirements, respectively.

### *Conclusion*

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 5,781,550 to Templin et al

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T. Jacobs whose telephone number is 571-272-4004. The examiner can normally be reached on 8:30 A.M.-5:00 P.M..

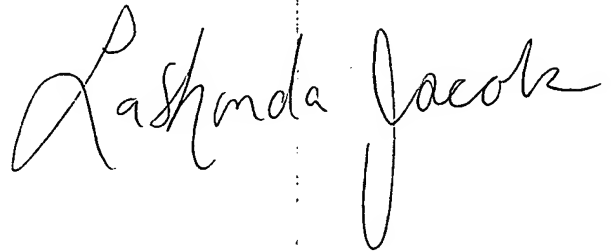
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LaShonda T Jacobs  
Examiner  
Art Unit 2157

ltj  
October 1, 2007

A handwritten signature in cursive script that reads "LaShonda Jacobs". The signature is written in dark ink and is positioned to the right of the printed name and title.